

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11)Publication number: **07089077 A**

(43)Date of publication of
application: **04. 04 . 95**

(51)Int. Cl
B41J 2/135
B41J 2/175
C08J 7/04
C08K 3/04
C08L 27/12
C09D127/12

(21)Application number: **05237703**

(22)Date of filing: **24 . 09 . 93**

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**(54)SURFACE TREATING METHOD FOR INK
JET RECORDING HEAD**

(57)Abstract:

PURPOSE: To improve durability of a film by coating an ink jet orifice surface with resin composition in which inorganic or organic fine particles are filled in amorphous thermoplastic resin having a perfluoro structure, and adding filler in liquid repellency agent.

CONSTITUTION: An ink jet orifice surface is coated with resin composition in which inorganic or organic fine particles are filled in amorphous thermoplastic resin having

perfluoro structure. As the polymer compound having the perfluoro structure, amorphous thermoplastic resin having a perfluoroheterocycle structure is used. As the inorganic filler to be filled therein, titanium oxide, aluminum oxide, etc., is used, and as the organic filler, polyacrylamide, etc., is used. Then, a surface treating method adds to disperse perfluoro compound soluble in specific solvent or fluorine-containing compound insoluble in solvent in perfluoro compound soluble in general organic solvent thereby to improve its mechanical strength without reducing water repellency continuity.

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